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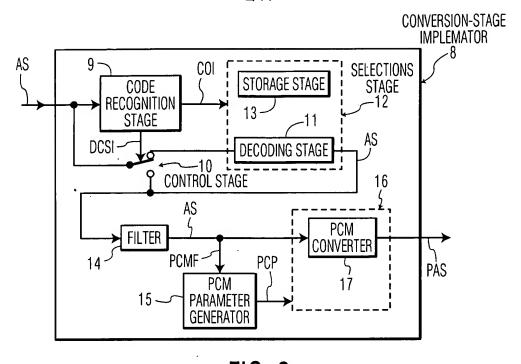


FIG. 2 40 41 42 -43 AS" PRE-FRAME-**FAST FOURIER** WINDOWING **EMPHASIS BLOCKING** TRANSFORMATION **STAGE** STAGE STAGE STAGE **V4** ٧2 DISCRETE COSINE TRANSFORMATION LOGARITHMIC FILTER BANK **SECOND FIRST** NORMALIZING NORMALIZING STAGE STAGE **STAGE** STAGE ۷5 45 CHI-44 46 F۷ FEATURE GENERATING STAGE -48

FIG. 3

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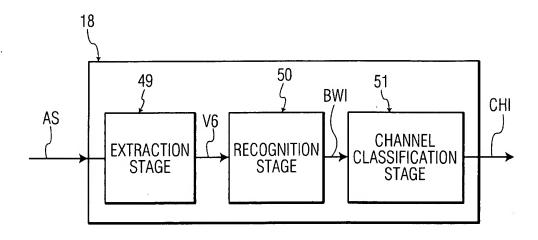


FIG. 4

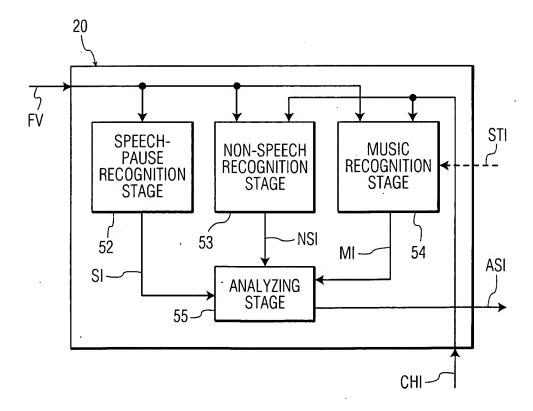
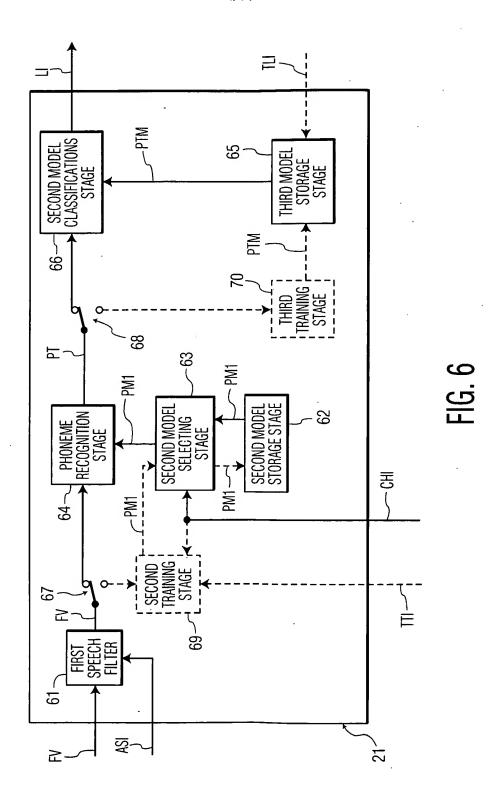
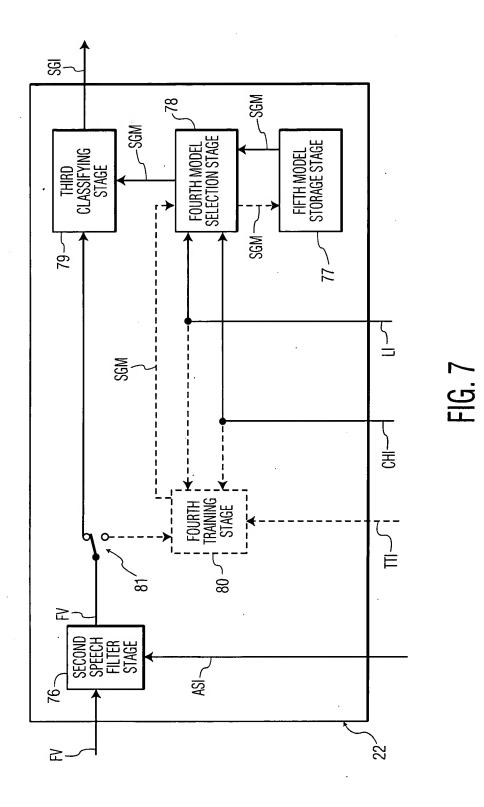
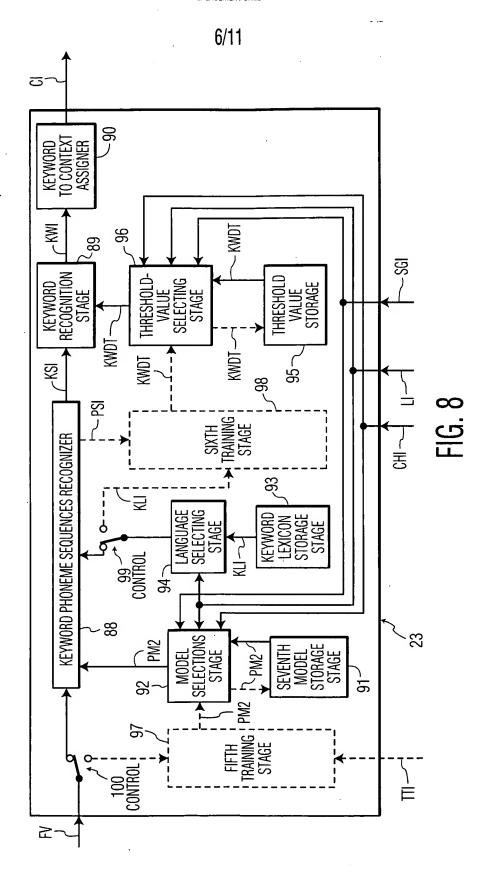


FIG. 5







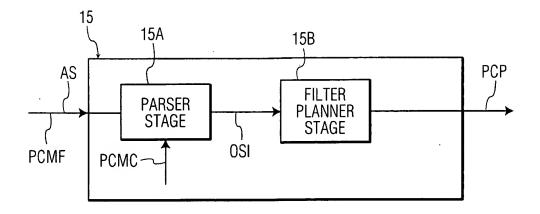


FIG. 11

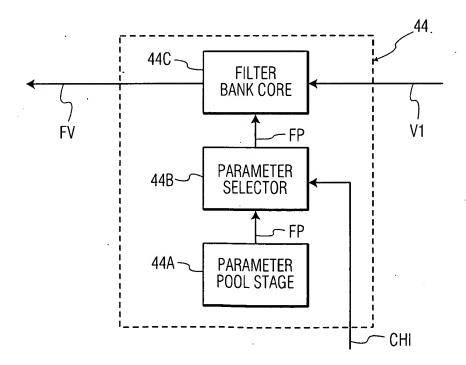
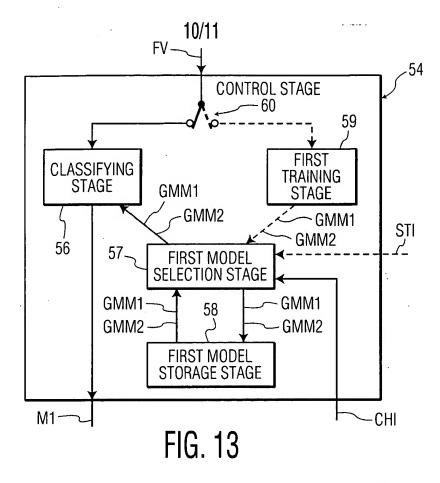
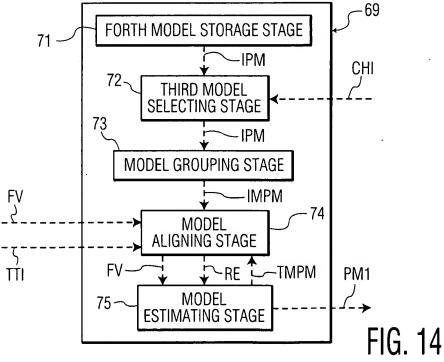


FIG. 12





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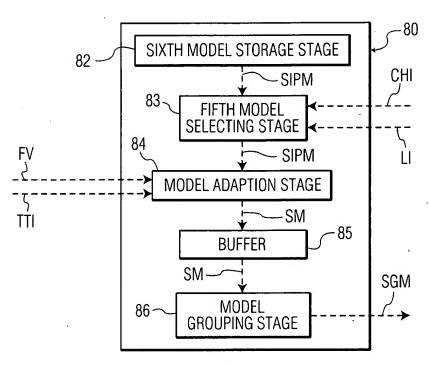


FIG. 15

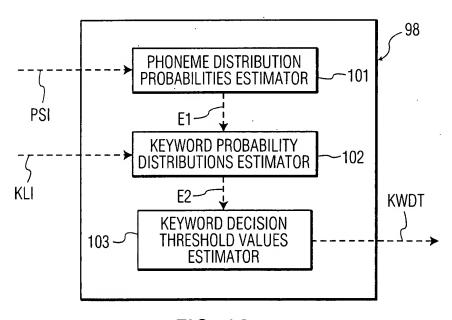


FIG. 16